



# CVE-2022-29901

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2022-29901
<b>State</b>	PUBLIC
<b>Assigner</b>	secure@intel.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-07-12 19:15:00 UTC
<b>Updated</b>	2024-02-04 08:15:00 UTC
<b>Description</b>	Intel microprocessor generations 6 to 8 are affected by a new Spectre variant that is able to bypass their retpoline mitigation

## Risk And Classification

**Problem Types:** CWE-668

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	11.0	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	35	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	36	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core I3-6100</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core I3-6100e</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core I3-6100e Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core I3-6100h</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core I3-6100h Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core I3-6100t</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core I3-6100te</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core I3-6100te Firmware</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core I3-6100t Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core I3-6100u</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core I3-6100u Firmware</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core I3-6100 Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core I3-6102e</a>	-	All	All	All

Operating System	Intel	Core I3-6102e Firmware	-	All	All	All
Hardware	Intel	Core I3-6110u	-	All	All	All
Operating System	Intel	Core I3-6110u Firmware	-	All	All	All
Hardware	Intel	Core I3-6120	-	All	All	All
Hardware	Intel	Core I3-6120t	-	All	All	All
Operating System	Intel	Core I3-6120t Firmware	-	All	All	All
Operating System	Intel	Core I3-6120 Firmware	-	All	All	All
Hardware	Intel	Core I3-6167u	-	All	All	All
Operating System	Intel	Core I3-6167u Firmware	-	All	All	All
Hardware	Intel	Core I3-6300	-	All	All	All
Hardware	Intel	Core I3-6300t	-	All	All	All
Operating System	Intel	Core I3-6300t Firmware	-	All	All	All
Operating System	Intel	Core I3-6300 Firmware	-	All	All	All
Hardware	Intel	Core I3-6320	-	All	All	All
Hardware	Intel	Core I3-6320t	-	All	All	All
Operating System	Intel	Core I3-6320t Firmware	-	All	All	All
Operating System	Intel	Core I3-6320 Firmware	-	All	All	All
Hardware	Intel	Core I3-8000	-	All	All	All
Hardware	Intel	Core I3-8000t	-	All	All	All
Operating System	Intel	Core I3-8000t Firmware	-	All	All	All
Operating System	Intel	Core I3-8000 Firmware	-	All	All	All
Hardware	Intel	Core I3-8020	-	All	All	All
Operating System	Intel	Core I3-8020 Firmware	-	All	All	All
Hardware	Intel	Core I3-8100	-	All	All	All
Hardware	Intel	Core I3-8100h	-	All	All	All
Operating System	Intel	Core I3-8100h Firmware	-	All	All	All
Hardware	Intel	Core I3-8100t	-	All	All	All
Operating System	Intel	Core I3-8100t Firmware	-	All	All	All
Operating System	Intel	Core I3-8100 Firmware	-	All	All	All
Hardware	Intel	Core I3-8109u	-	All	All	All
Operating System	Intel	Core I3-8109u Firmware	-	All	All	All
Hardware	Intel	Core I3-8120	-	All	All	All
Operating System	Intel	Core I3-8120 Firmware	-	All	All	All
Hardware	Intel	Core I3-8130u	-	All	All	All
Operating System	Intel	Core I3-8130u Firmware	-	All	All	All

Hardware	Intel	Core i3-8145u	-	All	All	All
Operating System	Intel	Core i3-8145u Firmware	-	All	All	All
Hardware	Intel	Core i3-8300	-	All	All	All
Hardware	Intel	Core i3-8300t	-	All	All	All
Operating System	Intel	Core i3-8300t Firmware	-	All	All	All
Operating System	Intel	Core i3-8300 Firmware	-	All	All	All
Hardware	Intel	Core i3-8350k	-	All	All	All
Operating System	Intel	Core i3-8350k Firmware	-	All	All	All
Hardware	Intel	Core i5-6200u	-	All	All	All
Operating System	Intel	Core i5-6200u Firmware	-	All	All	All
Hardware	Intel	Core i5-6210u	-	All	All	All
Operating System	Intel	Core i5-6210u Firmware	-	All	All	All
Hardware	Intel	Core i5-6260u	-	All	All	All
Operating System	Intel	Core i5-6260u Firmware	-	All	All	All
Hardware	Intel	Core i5-6267u	-	All	All	All
Operating System	Intel	Core i5-6267u Firmware	-	All	All	All
Hardware	Intel	Core i5-6287u	-	All	All	All
Operating System	Intel	Core i5-6287u Firmware	-	All	All	All
Hardware	Intel	Core i5-6300hq	-	All	All	All
Operating System	Intel	Core i5-6300hq Firmware	-	All	All	All
Hardware	Intel	Core i5-6300u	-	All	All	All
Operating System	Intel	Core i5-6300u Firmware	-	All	All	All
Hardware	Intel	Core i5-6310u	-	All	All	All
Operating System	Intel	Core i5-6310u Firmware	-	All	All	All
Hardware	Intel	Core i5-6350hq	-	All	All	All
Operating System	Intel	Core i5-6350hq Firmware	-	All	All	All
Hardware	Intel	Core i5-6360u	-	All	All	All
Operating System	Intel	Core i5-6360u Firmware	-	All	All	All
Hardware	Intel	Core i5-6400	-	All	All	All
Hardware	Intel	Core i5-6400t	-	All	All	All
Operating System	Intel	Core i5-6400t Firmware	-	All	All	All
Operating System	Intel	Core i5-6400 Firmware	-	All	All	All
Hardware	Intel	Core i5-6440eq	-	All	All	All
Operating System	Intel	Core i5-6440eq Firmware	-	All	All	All
Hardware	Intel	Core i5-6440hq	-	All	All	All

Operating System	Intel	Core I5-6440hq Firmware	-	All	All	All
Hardware	Intel	Core I5-6442eq	-	All	All	All
Operating System	Intel	Core I5-6442eq Firmware	-	All	All	All
Hardware	Intel	Core I5-6500	-	All	All	All
Hardware	Intel	Core I5-6500t	-	All	All	All
Hardware	Intel	Core I5-6500te	-	All	All	All
Operating System	Intel	Core I5-6500te Firmware	-	All	All	All
Operating System	Intel	Core I5-6500t Firmware	-	All	All	All
Operating System	Intel	Core I5-6500 Firmware	-	All	All	All
Hardware	Intel	Core I5-6600	-	All	All	All
Hardware	Intel	Core I5-6600k	-	All	All	All
Operating System	Intel	Core I5-6600k Firmware	-	All	All	All
Hardware	Intel	Core I5-6600t	-	All	All	All
Operating System	Intel	Core I5-6600t Firmware	-	All	All	All
Operating System	Intel	Core I5-6600 Firmware	-	All	All	All
Hardware	Intel	Core I5-8200y	-	All	All	All
Operating System	Intel	Core I5-8200y Firmware	-	All	All	All
Hardware	Intel	Core I5-8210y	-	All	All	All
Operating System	Intel	Core I5-8210y Firmware	-	All	All	All
Hardware	Intel	Core I5-8250u	-	All	All	All
Operating System	Intel	Core I5-8250u Firmware	-	All	All	All
Hardware	Intel	Core I5-8259u	-	All	All	All
Operating System	Intel	Core I5-8259u Firmware	-	All	All	All
Hardware	Intel	Core I5-8265u	-	All	All	All
Operating System	Intel	Core I5-8265u Firmware	-	All	All	All
Hardware	Intel	Core I5-8269u	-	All	All	All
Operating System	Intel	Core I5-8269u Firmware	-	All	All	All
Hardware	Intel	Core I5-8300h	-	All	All	All
Operating System	Intel	Core I5-8300h Firmware	-	All	All	All
Hardware	Intel	Core I5-8305g	-	All	All	All
Operating System	Intel	Core I5-8305g Firmware	-	All	All	All
Hardware	Intel	Core I5-8310y	-	All	All	All
Operating System	Intel	Core I5-8310y Firmware	-	All	All	All
Hardware	Intel	Core I5-8350u	-	All	All	All
Operating System	Intel	Core I5-8350u Firmware	-	All	All	All
Hardware	Intel	Core I5-8365u	-	All	All	All

Operating System	Intel	Core I5-8365u Firmware	-	All	All	All
Hardware	Intel	Core I5-8400	-	All	All	All
Hardware	Intel	Core I5-8400b	-	All	All	All
Operating System	Intel	Core I5-8400b Firmware	-	All	All	All
Hardware	Intel	Core I5-8400h	-	All	All	All
Operating System	Intel	Core I5-8400h Firmware	-	All	All	All
Hardware	Intel	Core I5-8400t	-	All	All	All
Operating System	Intel	Core I5-8400t Firmware	-	All	All	All
Operating System	Intel	Core I5-8400 Firmware	-	All	All	All
Hardware	Intel	Core I5-8420	-	All	All	All
Hardware	Intel	Core I5-8420t	-	All	All	All
Operating System	Intel	Core I5-8420t Firmware	-	All	All	All
Operating System	Intel	Core I5-8420 Firmware	-	All	All	All
Hardware	Intel	Core I5-8500	-	All	All	All
Hardware	Intel	Core I5-8500b	-	All	All	All
Operating System	Intel	Core I5-8500b Firmware	-	All	All	All
Hardware	Intel	Core I5-8500t	-	All	All	All
Operating System	Intel	Core I5-8500t Firmware	-	All	All	All
Operating System	Intel	Core I5-8500 Firmware	-	All	All	All
Hardware	Intel	Core I5-8550	-	All	All	All
Hardware	Intel	Core I5-8550u	-	All	All	All
Operating System	Intel	Core I5-8550u Firmware	-	All	All	All
Operating System	Intel	Core I5-8550 Firmware	-	All	All	All
Hardware	Intel	Core I5-8600	-	All	All	All
Hardware	Intel	Core I5-8600k	-	All	All	All
Operating System	Intel	Core I5-8600k Firmware	-	All	All	All
Hardware	Intel	Core I5-8600t	-	All	All	All
Operating System	Intel	Core I5-8600t Firmware	-	All	All	All
Operating System	Intel	Core I5-8600 Firmware	-	All	All	All
Hardware	Intel	Core I5-8650	-	All	All	All
Hardware	Intel	Core I5-8650k	-	All	All	All
Operating System	Intel	Core I5-8650k Firmware	-	All	All	All
Operating System	Intel	Core I5-8650 Firmware	-	All	All	All
Hardware	Intel	Core I7-6500u	-	All	All	All
Operating System	Intel	Core I7-6500u Firmware	-	All	All	All

Hardware	Intel	Core I7-6510u	-	All	All	All
Operating System	Intel	Core I7-6510u Firmware	-	All	All	All
Hardware	Intel	Core I7-6560u	-	All	All	All
Operating System	Intel	Core I7-6560u Firmware	-	All	All	All
Hardware	Intel	Core I7-6567u	-	All	All	All
Operating System	Intel	Core I7-6567u Firmware	-	All	All	All
Hardware	Intel	Core I7-6600u	-	All	All	All
Operating System	Intel	Core I7-6600u Firmware	-	All	All	All
Hardware	Intel	Core I7-6650u	-	All	All	All
Operating System	Intel	Core I7-6650u Firmware	-	All	All	All
Hardware	Intel	Core I7-6660u	-	All	All	All
Operating System	Intel	Core I7-6660u Firmware	-	All	All	All
Hardware	Intel	Core I7-6700	-	All	All	All
Hardware	Intel	Core I7-6700hq	-	All	All	All
Operating System	Intel	Core I7-6700hq Firmware	-	All	All	All
Hardware	Intel	Core I7-6700k	-	All	All	All
Operating System	Intel	Core I7-6700k Firmware	-	All	All	All
Hardware	Intel	Core I7-6700t	-	All	All	All
Hardware	Intel	Core I7-6700te	-	All	All	All
Operating System	Intel	Core I7-6700te Firmware	-	All	All	All
Operating System	Intel	Core I7-6700t Firmware	-	All	All	All
Operating System	Intel	Core I7-6700 Firmware	-	All	All	All
Hardware	Intel	Core I7-6770hq	-	All	All	All
Operating System	Intel	Core I7-6770hq Firmware	-	All	All	All
Hardware	Intel	Core I7-6820eq	-	All	All	All
Operating System	Intel	Core I7-6820eq Firmware	-	All	All	All
Hardware	Intel	Core I7-6820hk	-	All	All	All
Operating System	Intel	Core I7-6820hk Firmware	-	All	All	All
Hardware	Intel	Core I7-6820hq	-	All	All	All
Operating System	Intel	Core I7-6820hq Firmware	-	All	All	All
Hardware	Intel	Core I7-6822eq	-	All	All	All
Operating System	Intel	Core I7-6822eq Firmware	-	All	All	All
Hardware	Intel	Core I7-6870hq	-	All	All	All
Operating System	Intel	Core I7-6870hq Firmware	-	All	All	All
Hardware	Intel	Core I7-6920hq	-	All	All	All
Operating System	Intel	Core I7-6920hq Firmware	-	All	All	All

Operating System	<a href="#">Intel</a>	<a href="#">Core i7-6920HQ Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-6970HQ</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-6970HQ Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8500Y</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8500Y Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8510Y</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8510Y Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8550U</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8550U Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8557U</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8557U Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8559U</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8559U Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8560U</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8560U Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8565U</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8565U Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8569U</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8569U Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8650U</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8650U Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8665U</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8665U Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8670</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8670T</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8670T Firmware</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8670 Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8700</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8700B</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8700B Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8700K</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8700K Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8700T</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8700T Firmware</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Core i7-8700 Firmware</a>	-	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Core i7-8705G</a>	-	All	All	All

Operating System	Intel	Core I7-8705g Firmware	-	All	All	All
Hardware	Intel	Core I7-8706g	-	All	All	All
Operating System	Intel	Core I7-8706g Firmware	-	All	All	All
Hardware	Intel	Core I7-8709g	-	All	All	All
Operating System	Intel	Core I7-8709g Firmware	-	All	All	All
Hardware	Intel	Core I7-8750h	-	All	All	All
Hardware	Intel	Core I7-8750hf	-	All	All	All
Operating System	Intel	Core I7-8750hf Firmware	-	All	All	All
Operating System	Intel	Core I7-8750h Firmware	-	All	All	All
Hardware	Intel	Core I7-8809g	-	All	All	All
Operating System	Intel	Core I7-8809g Firmware	-	All	All	All
Hardware	Intel	Core I7-8850h	-	All	All	All
Operating System	Intel	Core I7-8850h Firmware	-	All	All	All
Hardware	Intel	Core I9-8950hk	-	All	All	All
Operating System	Intel	Core I9-8950hk Firmware	-	All	All	All
Hardware	Intel	Core M3-6y30	-	All	All	All
Operating System	Intel	Core M3-6y30 Firmware	-	All	All	All
Hardware	Intel	Core M3-8100y	-	All	All	All
Operating System	Intel	Core M3-8100y Firmware	-	All	All	All
Hardware	Intel	Core M5-6y54	-	All	All	All
Operating System	Intel	Core M5-6y54 Firmware	-	All	All	All
Hardware	Intel	Core M5-6y57	-	All	All	All
Operating System	Intel	Core M5-6y57 Firmware	-	All	All	All
Hardware	Intel	Core M7-6y75	-	All	All	All
Operating System	Intel	Core M7-6y75 Firmware	-	All	All	All
Operating System	Vmware	Esxi	7.0	-	All	All
Operating System	Vmware	Esxi	7.0	beta	All	All
Operating System	Vmware	Esxi	7.0	update_1	All	All
Operating System	Vmware	Esxi	7.0	update_1a	All	All
Operating System	Vmware	Esxi	7.0	update_1b	All	All
Operating System	Vmware	Esxi	7.0	update_1c	All	All
Operating System	Vmware	Esxi	7.0	update_1d	All	All
Operating System	Vmware	Esxi	7.0	update_2	All	All
Operating System	Vmware	Esxi	7.0	update_2a	All	All
Operating System	Vmware	Esxi	7.0	update_2c	All	All

Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_2d	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_2e	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_3c	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_3d	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_3e	All	All
Operating System	<a href="#">Xen</a>	<a href="#">Xen</a>	-	All	All	All

## References

### Reference

Debian -- Security Information -- DSA-5207-1 linux

INTEL-SA-00702

[SECURITY] [DLA 3245-1] linux security update

oss-security - Re: Xen Security Advisory 407 v1 (CVE-2022-23816,CVE-2022-23825,CVE-2022-29900) - Retbleed - arbitrary speculative code

oss-security - Xen Security Advisory 407 v1 (CVE-2022-23816,CVE-2022-23825,CVE-2022-29900) - Retbleed - arbitrary speculative code ex

Xen: Multiple Vulnerabilities (GLSA 202402-07) — Gentoo security

oss-security - Re: Xen Security Advisory 407 v1 (CVE-2022-23816,CVE-2022-23825,CVE-2022-29900) - Retbleed - arbitrary speculative code

comsec.ethz.ch/retbleed

Retbleed: Intel and AMD Processors Vulnerability. Patch Now!

[SECURITY] Fedora 35 Update: kernel-5.18.11-100.fc35 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: kernel-5.18.11-200.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: kernel-5.18.11-200.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] [DLA 3102-1] linux-5.10 new package

[SECURITY] Fedora 35 Update: kernel-5.18.11-100.fc35 - package-announce - Fedora Mailing-Lists

CVE-2022-29901 Intel Processor Vulnerability in NetApp Products | NetApp Product Security

oss-security - Re: Xen Security Advisory 407 v1 (CVE-2022-23816,CVE-2022-23825,CVE-2022-29900) - Retbleed - arbitrary speculative code

CVE Program record

NVD vulnerability detail



## Vendor Comments And Credit

Discovery Credit

**LEGACY:** Johannes Wikner - ETH Zürich

**LEGACY:** Kaveh Razavi - ETH Zürich

## Legacy QID Mappings

159979 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9591)

<a href="#">159982</a> Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9590)
<a href="#">160043</a> Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9709)
<a href="#">160045</a> Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9710)
<a href="#">160171</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2022-7110)
<a href="#">160199</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2022-7337)
<a href="#">160270</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2022-8267)
<a href="#">161343</a> Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2024-12150)
<a href="#">161344</a> Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2024-12153)
<a href="#">161345</a> Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2024-12154)
<a href="#">161347</a> Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2024-12151)
<a href="#">180938</a> Debian Security Update for linux (DSA 5207-1)
<a href="#">181002</a> Debian Security Update for linux-5.10 (DLA 3102-1)
<a href="#">181565</a> Debian Security Update for linux (DLA 3245-1)
<a href="#">182592</a> Debian Security Update for linux (CVE-2022-29901)
<a href="#">198894</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5566-1)
<a href="#">198896</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5565-1)
<a href="#">198897</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-5564-1)
<a href="#">199029</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5728-1)
<a href="#">199037</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5728-2)
<a href="#">199051</a> Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5728-3)
<a href="#">199155</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5854-1)
<a href="#">199164</a> Ubuntu Security Notification for Linux kernel (Qualcomm Snapdragon) Vulnerabilities (USN-5862-1)
<a href="#">199165</a> Ubuntu Security Notification for Linux kernel (Dell300x) Vulnerabilities (USN-5861-1)
<a href="#">199169</a> Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5865-1)
<a href="#">199502</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5975-1)
<a href="#">199522</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6221-1)
<a href="#">199541</a> Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5924-1)
<a href="#">199566</a> Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-6007-1)
<a href="#">199567</a> Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-5883-1)

[216294](#) VMware ESXi 6.5 Patch Release ESXi650-202207401-SG Missing (VMSA-2022-0020)

[216295](#) VMware ESXi 6.7 Patch Release ESXi670-202207401-SG Missing (VMSA-2022-0020)

[216296](#) VMware ESXi 7.0 Patch Release ESXi70U3sf-20036586 Missing (VMSA-2022-0020)

[240776](#) Red Hat Update for kernel-rt (RHSA-2022:7134)

[240782](#) Red Hat Update for kernel security (RHSA-2022:7110)

[240807](#) Red Hat Update for kernel (RHSA-2022:7337)

[240811](#) Red Hat Update for kernel-rt (RHSA-2022:7338)

[240869](#) Red Hat Update for kernel-rt (RHSA-2022:7933)

[240904](#) Red Hat Update for kernel security (RHSA-2022:8267)

[241008](#) Red Hat Update for kernel (RHSA-2022:8973)

[241009](#) Red Hat Update for kernel-rt (RHSA-2022:8974)

[282932](#) Fedora Security Update for kernel (FEDORA-2022-c69ef9c1dd)

[282938](#) Fedora Security Update for kernel (FEDORA-2022-8aab5b5cde)

[354050](#) Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2022-006

[354051](#) Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-019

[354053](#) Amazon Linux Security Advisory for kernel : ALAS2-2022-1838

[354098](#) Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-037

[354385](#) Amazon Linux Security Advisory for kernel : ALAS2022-2022-125

[354433](#) Amazon Linux Security Advisory for kernel : ALAS2022-2022-142

[354468](#) Amazon Linux Security Advisory for kernel : ALAS2022-2022-185

[354542](#) Amazon Linux Security Advisory for kernel : ALAS-2022-185

[355199](#) Amazon Linux Security Advisory for kernel : ALAS2023-2023-070

[376775](#) F5 BIG-IP Application Security Manager (ASM), Local Traffic Manager (LTM), Access Policy Manager (APM) Retbleed cpu vulnerability cve-2022-29901 (K83713003)

[377117](#) Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0158)

[6140222](#) AWS Bottlerocket Security Update for kernel (GHSA-ffw6-5hm8-jf52)

[673214](#) EulerOS Security Update for kernel (EulerOS-SA-2023-2383)

[710858](#) Gentoo Linux Xen Multiple Vulnerabilities (GLSA 202402-07)

[752340](#) SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SLL-2022-2377-1)

<a href="#">752348</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2377-1)
<a href="#">752349</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2382-1)
<a href="#">752354</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2393-1)
<a href="#">752359</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2411-1)
<a href="#">752360</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2407-1)
<a href="#">752363</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2423-1)
<a href="#">752364</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2422-1)
<a href="#">752370</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2520-1)
<a href="#">752391</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2549-1)
<a href="#">752463</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2809-1)
<a href="#">753061</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4616-1)
<a href="#">753148</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2615-1)
<a href="#">753271</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2424-1)
<a href="#">753362</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2376-1)
<a href="#">753703</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)
<a href="#">753707</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)
<a href="#">753727</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)
<a href="#">940709</a> AlmaLinux Security Update for kernel-rt (ALSA-2022:7134)
<a href="#">940719</a> AlmaLinux Security Update for kernel (ALSA-2022:7110)
<a href="#">940798</a> AlmaLinux Security Update for kernel (ALSA-2022:8267)
<a href="#">940843</a> AlmaLinux Security Update for kernel-rt (ALSA-2022:7933)
<a href="#">960271</a> Rocky Linux Security Update for kernel-rt (RLSA-2022:7134)
<a href="#">960397</a> Rocky Linux Security Update for kernel (RLSA-2022:7110)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

**CVE.report and Source URL Uptime Status** [status.cve.report](#)